Application#	Patent#	Status	Date Filed	Title	Inventor Name
09363489	6248699	150	07/29/1999	Gelling System For Hydrocarbon Fluids	Subramanian, Shankar
10070282	Not Issued	71	04/15/2002	Quaternary Ammonium Salts As Thickening Agents For Aqueous Systems	Subramanian, Shankar
11701353	Not Issued	30	02/01/2007	Quaternary Ammonium Salts As Thickening Agents For Aqueous Systems	Subramanian, Shankar
08159199	Not Issued	166	11/30/1993	Problem Resolution System	Subramanian, Shankar K
08612605	Not Issued	161	03/08/1996	Problem Resolution System	Subramanian, Shankar K
10070282	Not Issued	71	04/15/2002	Quaternary Ammonium Salts As Thickening Agents For Aqueous Systems	Burgazli, Cenk
11701353	Not issued	30	02/01/2007	Quaternary Ammonium Salts As Thickening Agents For Aqueous Systems	Burgazli, Cenk
10082295	Not issued	161	02/26/2002	Amine And Quaternary Ammonium Salt Derivatives Of Glycidyl Ethers And Glycidyl Esters	Burgazli, Cenk R.
60281899	Not Issued	159	04/05/2001	Amine And Quaternary Ammonium Salt Derivatives Of Glycidyl Ethers And Glycidyl Esters	Burgazli, Cenk R.
60476426	Not Issued	159	06/06/2003	Gas Hydrate Inhibitors	Burgazli, Cenk R.
09342447	Not Issued	161	06/29/1999	Alpha-Olefin Sulfonic Acid Derivatives And Compositions Containing Them	Burgazli, Cenk R.
09342449	Not Issued	161	06/29/1999	Oxidized Alpha-Olefin Sulfonic Acids And Derivatives Thereof And Compositions Containing Them	Burgazli, Cenk R.
10070282	Not Issued	71	04/15/2002	Quaternary Ammonium Salts As Thickening Agents For Aqueous Systems	Zhu, Yung-Peng
08171796	Not Issued	161	12/22/1993	Surfactant Compositions Characterized By Improved Foam Height	Zhu, Shawn
08321489	Not Issued	161	10/12/1994	Synergistic Surfactant Compositions	Zhu, Shawn
08672016	Not Issued	161	05/25/1996	Synergistic Surfactant Compositions	Zhu, Shawn
08862897	Not Issued	161	05/23/1997	Surfactant Compositions Characterized By Improved Foam Height	Zhu, Shawn
09072818	Not Issued	161	05/05/1998	Dialkylquat And Trialkylquat Benzoate And Salicylate Salts	Zhu, Shawn
09138880	Not Issued	161	08/24/1998	Cold Processable Pearlescent Concentrates	Zhu, Shawn
09652146	6451731	150	08/31/2000	Stable Concentrated Pesticidal Suspension	Zhu, Shawn
10070282	Not Issued	71	04/15/2002	Quaternary Ammonium Salts As Thickening Agents For Aqueous Systems	Zhu, Shawn
10082295	Not Issued	161	02/26/2002	Amine And Quaternary Ammonium Salt Derivatives Of Glycidyl Ethers And Glycidyl Esters	Zhu, Shawn
11575800	Not Issued	19	01/01/0001	Alkoxylated Alkylamine Quaternary Surfactants For Glyphosate	Zhu, Shawn
11575847	Not issued		01/01/0001	Alkoxylated Alkylamines/Alkyl Ether Amines With Peaked Distribution	Zhu, Shawn
11701353	Not Issued	30	02/01/2007	Quaternary Ammonium Salts As Thickening Agents For Aqueous Systems	Zhu, Shawn
60221297	Not Issued	159	07/27/2000	Stable Concentrated Pesticidal Suspension	Zhu, Shawn
60266299	Not Issued	159	09/10/1999	Stable Concentrated Pesticidal Suspension	Zhu, Shawn
60281899	Not Issued	159	04/05/2001	Amine And Quaternary Ammonium Salt Derivatives Of Glycidyl Ethers And Glycidyl Esters	Zhu, Shawn
60612597	Not Issued	159	09/23/2004	Ethoxylated Alkylamines Having Improved Compatibility With Glyphosate And Process For Preparing Same	Zhu, Shawn
60612598	Not Issued	159	09/23/2004	Alkoxylated Alkylamine Quaternary Surfactants For Glyphosate	Zhu, Shawn
60743715	Not Issued	159	03/23/2006	Alkoxylated Alkylamines / Alkyl Ether Amines With Peaked Distribution	Zhu, Shawn
60873158	Not Issued	20	12/06/2006	Compatibility Agents For Herbicidal Formulations Comprising 2,4-(Dichlorophenoxy) Acetic Acid Salts	Zhu, Shawn
60934540	Not Issued	20	06/14/2007	Alkylamidopropyl Dialkylamine Surfactants As Adjuvants	Zhu, Shawn
	6828281			Surfactant Blends For Aqueous Solutions Useful For Improving Oil Recovery	Feuerbacher, Dave
	Not Issued		04/15/2002	Quaternary Ammonium Salts As Thickening Agents For Aqueous Systems	Feuerbacher, Dave
	Not Issued		11/10/2004	Surfactant Blends For Aqueous Solutions Useful For Improving Oil Recovery	Feuerbacher, Dave
	Not Issued		02/01/2007	Quaternary Ammonium Salts As Thickening Agents For Aqueous Systems	Feuerbacher, Dave

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1628	507/240,244,922.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 08:18
S2	367	166/308.2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 08:18
S3	1866	S1 S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON .	2007/08/13 08:22
S4	6	("4168302" "4725372" "4898725" "5019281" "5551516" "5866040").pn.	USPAT	OR	ON	2007/08/13 08:21
S5	3	("6248699" ["] 6828281" "20020147127").pn.	US-PGPUB; USPAT	OR	ON	2007/08/13 09:50
S6	178785	((cationic or viscoelastic or visco\$1elastic or (visco adj elastic)) with (surfactant or (surface adj active))) or (quaternary adj ammonium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 13:31
\$7	506	alkylaminealkylene alkyl\$1aminealkylene alkyl\$1amine\$1alkylene (alkyl adj aminealkylene) (alkylamine adj alkylene) (alkyl adj amine\$1alkylene) (alkyl\$1amine adj alkylene) (alkyl adj amine adj alkylene) alkylamidoalkylene alkyl\$1amidoalkylene alkyl\$1amido\$1alkylene alkyl\$1amido\$1alkylene (alkyl adj amidoalkylene) (alkylamido adj alkylene) (alkyl adj amido\$1alkylene) (alkyl\$1amido adj alkylene) (alkyl adj amido adj alkylene)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 13:33

S8	152102	trialkyl or trimethyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 13:36
S9	799585	ammonium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 13:37
S10	11880406	salt or halide or fluoride or "F" or chloride or "Cl" or bromide or "Br" or iodide or "I" (oxo near20 (phosphorus or "P" or sulfur or sulphur or "S")) or (organic adj anion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 13:40

S12	2	(erucylamidopropyltrimethyl	US-PGPUB;	OR	ON	2007/08/13 13:46
		erucyl\$1amidopropyltrimethyl	USPAT;	-	-	, 11, 41
		erucylamido\$1propyltrimethyl	USOCR;			
		erucylamidopropyl\$1trimethyl erucyl\$1amido\$1propyltrimethyl	FPRS; EPO; JPO;			
		erucyl\$1amido\$1propyltrimetryl	DERWENT;			
		erucylamido\$1propyl\$1trimethyl	IBM_TDB			
		erucyl\$1amido\$1propyl\$1trimethyl				
		(erucyl adj amidopropyltrimethyl)				
		(erucylamido adj propyltrimethyl)				
		(erucylamidopropyl adj trimethyl)				
		(erucyl adj amido\$1propyltrimethyl)				
		(erucyl adj amidopropyl\$1trimethyl)				
		(erucyl adj amido\$1propyl\$1trimethyl) (erucyl\$1amido adj propyltrimethyl)				
		(erucylamido adj propyl\$1trimethyl)				
		(erucyl\$1amido adj propyl\$1trimethyl)				
		(erucyl\$1amidopropyl adj trimethyl)				
		(erucylamido\$1propyl adj trimethyl)				
		(erucyl\$1amido\$1propyl adj trimethyl)				
		(erucyl adj amido adj propyltrimethyl)				
		(erucyl adj amido adj				
		propyl\$1trimethyl) (erucyl adj amidopropyl adj trimethyl) (erucyl adj				
		amido\$1propyl adj trimethyl)				
		(erucylamido adj propyl adj trimethyl)				
		(erucyl\$1amido adj propyl adj				
		trimethyl) (erucyl adj amido adj propyl				
		adj trimethyl)) adj ammonium adj S10				
S13	0	S6 and S7 and S8 and S9	FPRS;	OR	ON	2007/08/13 13:51
			EPO; JPO;			
			DERWENT;			
		•	IBM_TDB			
S14	6	S6 and S7 and S8 and S9	USOCR	OR	ON	2007/08/13 13:49
S15	0	S6 and (S7 with S8 with S9)	US-PGPUB; USPAT	OR	ON -	2007/08/13 13:49
			i			
S16	1	S6 and (S7 same S8 same S9)	US-PGPUB;	OR	ON	2007/08/13 13:49
			USPAT			
S17	22	S6 and S7 and S8 and S9	US-PGPUB;	OR	ON	2007/08/13 13:51
			USPAT			